

BP-MF400 Datasheet

MEDIUM-FLOW BACK PRESSURE REGULATOR



Gas
 Liquid
 Diaphragm
 Piston
 Max Rating: 10bar (145psi)
 Max Inlet Control: 10bar (145psi)
 Cv 2.0



INTRODUCING THE BP-MF400...

The BP-MF400 is a diaphragm-sensed medium-flow back pressure regulator for gas or liquid applications. The liquid version includes a PEEK™ seat, whilst the gas version features PCTFE seating.

This accurate regulator controls inlet pressure and vents excess pressure back via the threaded NPT or BSP outlet port of up to 1".

SPECIFICATION

Max Rating	10bar (145psi)
Max Inlet Control	Up to 10bar (145psi)
Design Proof Pressure	150% max WP
Seat Leakage	In accordance with ANSI/FCI 70-3
Weight	5.5kg (12.1lbs)

STANDARD MATERIALS OF CONSTRUCTION

Other materials are available - please contact the office.

PART	MATERIALS
Body and Bonnet	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Main Valve Pin	AISI 316 / 316L Stainless Steel (UNS S31600 / S31603)
Seat	PEEK™ or PCTFE
Valve Spring	AISI 302 Stainless Steel (UNS S30200)
Diaphragm	NBR
Handwheel	Nylon
'O'-Ring Seals	NBR FKM / FPM
Loading Spring	Alloy Spring Steel

FEATURES AND BENEFITS

1 ELASTOMERIC DIAPHRAGM

For accurate control of outlet pressures up to 10bar (145psi).

2 EASY ACCESS TO SEAT CARTRIDGE

Simplified servicing through base of regulator.

3 FLANGE-TYPE BONNET

Quick and easy removal for maintenance.

NOTE: Product availability and specifications contained herein are subject to change without notice. Consult local distributor or factory for potential revisions and/or service related issues. Pressure Tech Ltd support with product selection recommendations only - it is the users responsibility to ensure the product is suitable for their specific application requirements.



DESIGNED AND BUILT IN THE UK

PRESSURE TECH LTD

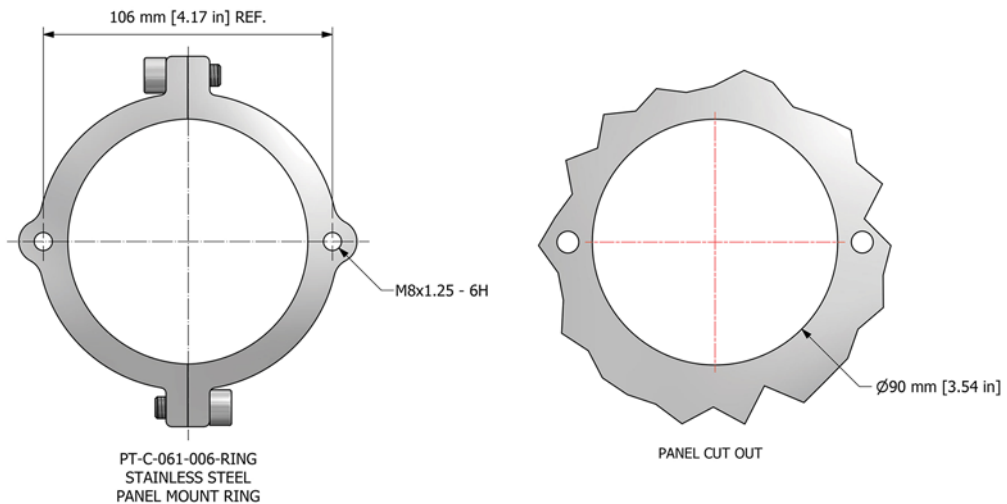
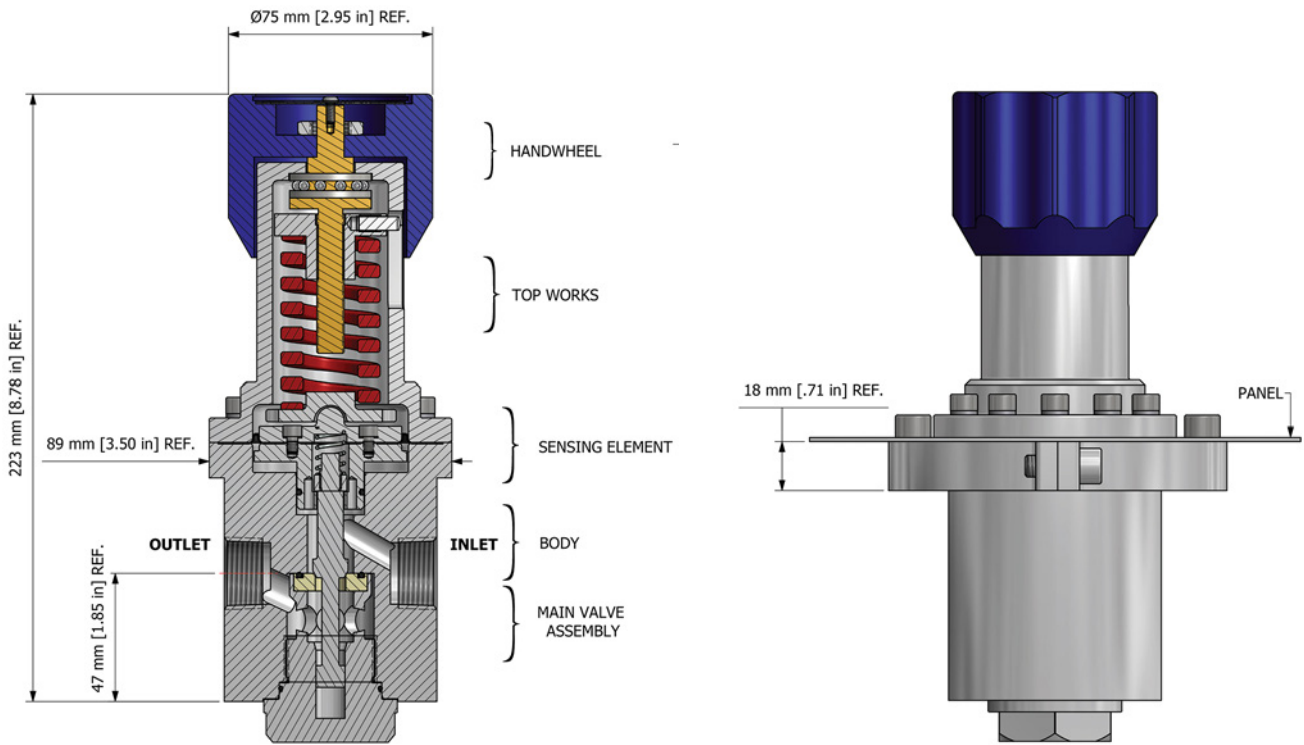
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DRAWINGS AND INSTALLATION DIMENSIONS



Note:
All gauge ports are 1/4" NPT as standard.

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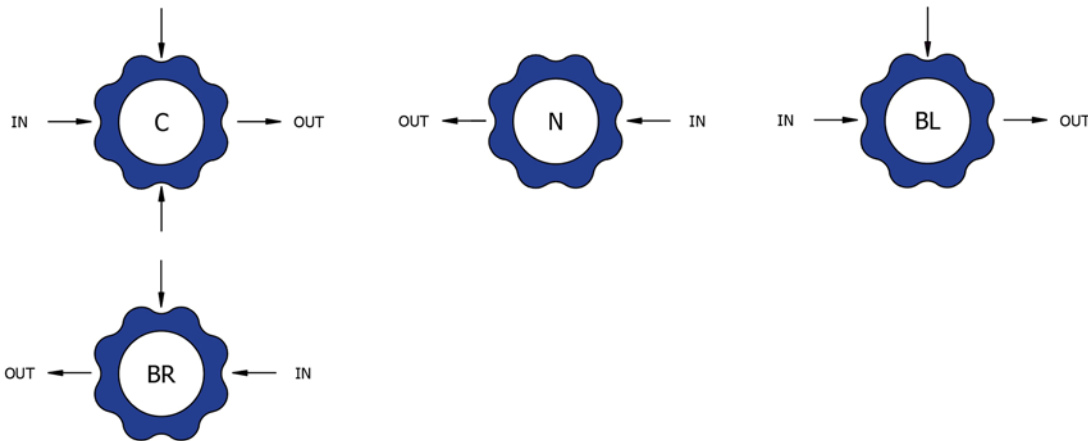


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FLOW CURVE

Please contact the office for further information.

PORTING CONFIGURATIONS



Note:

Additional porting configurations are available - please contact the office for further information.

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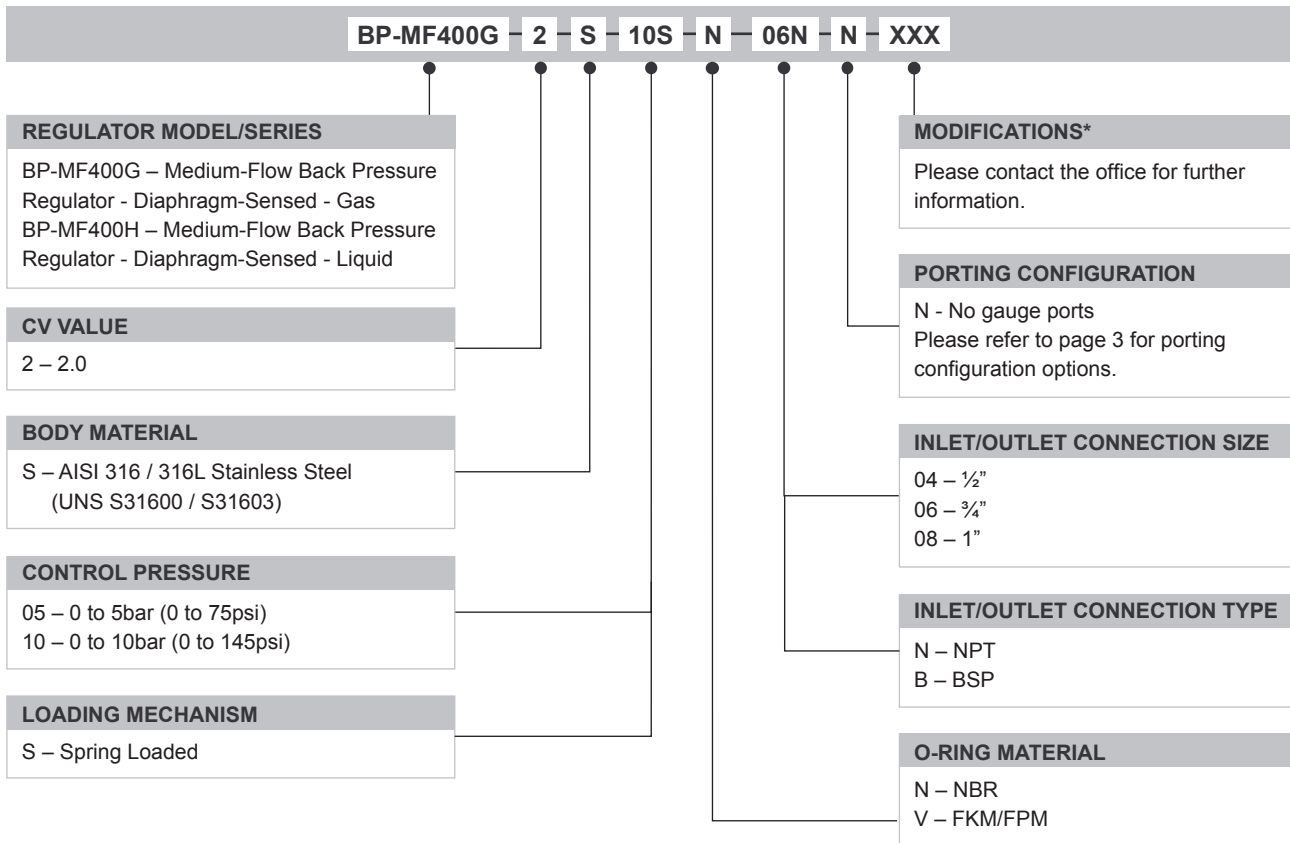
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ORDERING INFORMATION

To build a Pressure Tech part number, simply combine the characters identified below in sequence:



* Where applicable

OPTIONAL EXTRAS

	PART NUMBER	DESCRIPTION
Service Kit	SRK-BP-MF400...	Various options available - please contact the office.
Panel Mounting Ring	PT-C-061-006-RING	Stainless Steel panel mount ring

Note:

Ancillary Equipment also available. Please contact the office for further information.

TRADEMARK: PEEK™ is a trademark of Victrex PLC

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